

Data Path : Z:\HPCHEM1\BNA G\Data\BG012017\  
 Data File : BG025535.D  
 Acq On : 20 Jan 2017 12:39  
 Operator : UM/SJ  
 Sample : I1260-04  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 20 13:37:38 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 2017  
 Response via : Initial Calibration

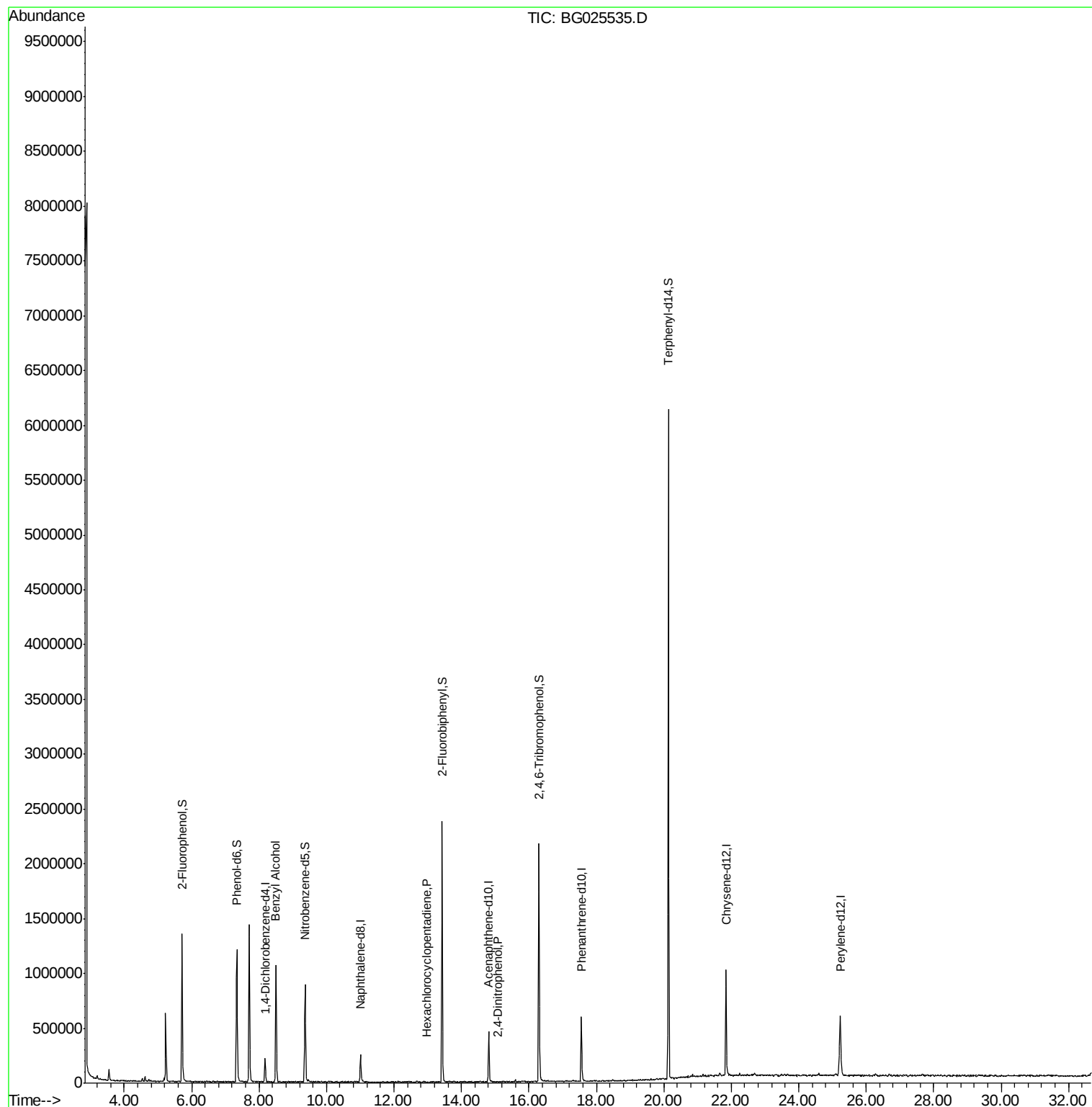
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.18  | 152  | 56126    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.01 | 136  | 207442   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10          | 14.81 | 164  | 169944   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10          | 17.56 | 188  | 387617   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12              | 21.84 | 240  | 669463   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.23 | 264  | 691238   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.72  | 112  | 516633   | 167.31 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.34  | 99   | 665299   | 152.99 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 9.36  | 82   | 569297   | 121.24 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol      | 16.30 | 330  | 441719   | 161.45 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl          | 13.43 | 172  | 1170437  | 111.50 | ng    | -0.02    |
| 78) Terphenyl-d14             | 20.14 | 244  | 2525929  | 100.04 | ng    | -0.01    |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.50  | 79   | 10605    | 2.55   | ng    | # 42     |
| 40) Hexachlorocyclopentadiene | 12.97 | 237  | 81       | 8.55   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 15.09 | 184  | 227      | 5.20   | ng    | # 15     |

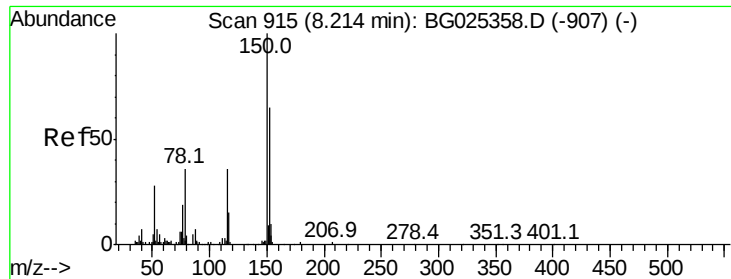
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\Data\BG012017\  
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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jan 20 13:37:38 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 10 11:26:22 2017  
Response via : Initial Calibration



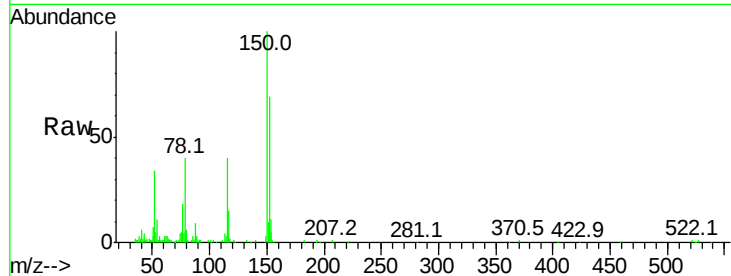


#1

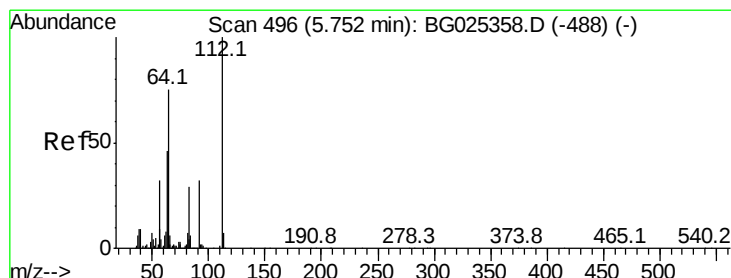
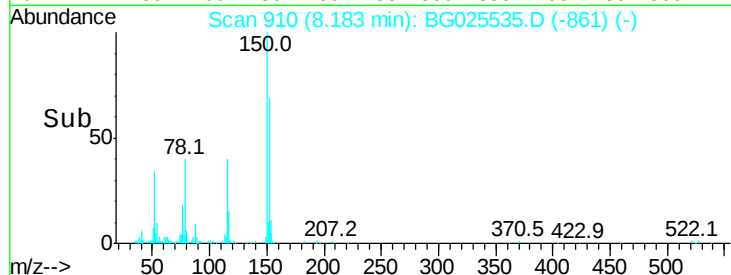
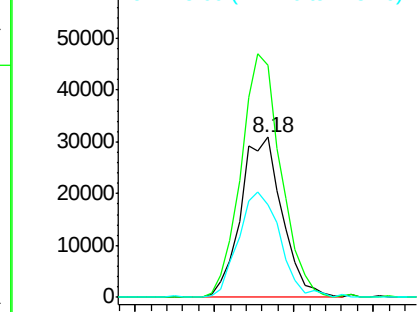
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.18 min Scan# 910  
Delta R.T. -0.01 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.0 | 114.0 | 171.0 |
| 115     | 57.9  | 48.1  | 72.1  |



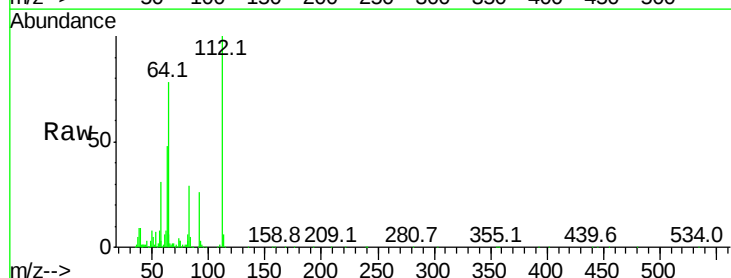
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



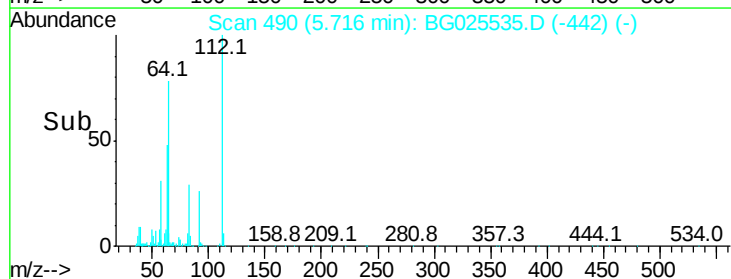
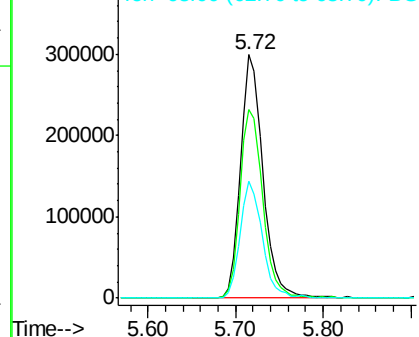
#5

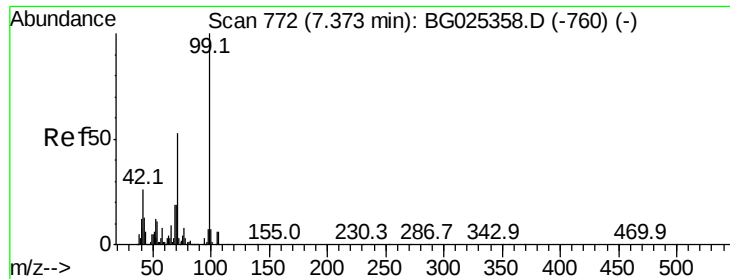
2-Fluorophenol  
Concen: 167.31 ng  
RT: 5.72 min Scan# 490  
Delta R.T. -0.02 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 77.5  | 61.8  | 92.6  |
| 63      | 47.8  | 37.2  | 55.8  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 152.99 ng

RT: 7.34 min Scan# 767

Delta R.T. -0.01 min

Lab File: BG025535.D

Acq: 20 Jan 2017 12:39

Instrument :

BNA\_G

ClientSampleId :

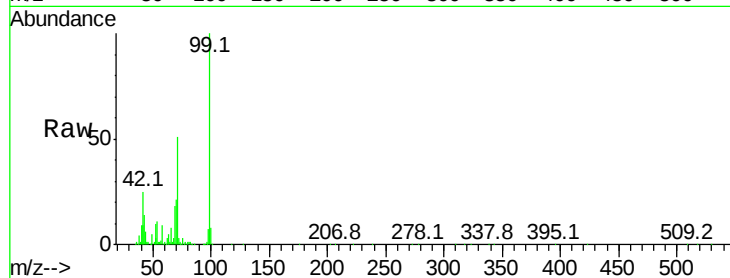
Tot Ion: 99 Resp: 665299

Ion Ratio Lower Upper

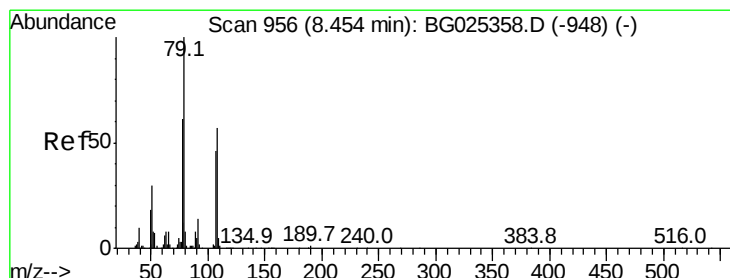
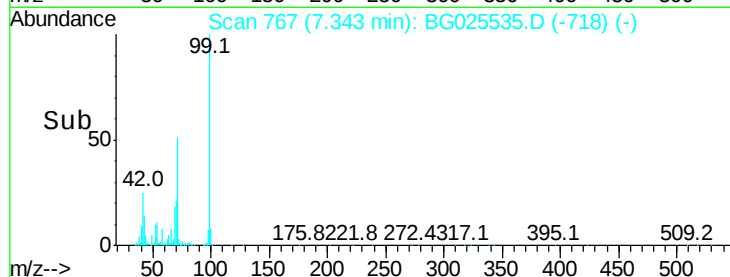
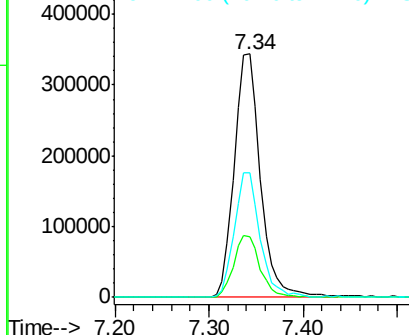
99 100

42 25.1 20.5 30.7

71 50.9 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.55 ng

RT: 8.50 min Scan# 964

Delta R.T. 0.06 min

Lab File: BG025535.D

Acq: 20 Jan 2017 12:39

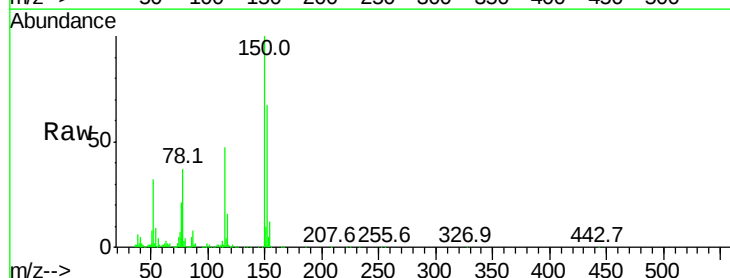
Tgt Ion: 79 Resp: 10605

Ion Ratio Lower Upper

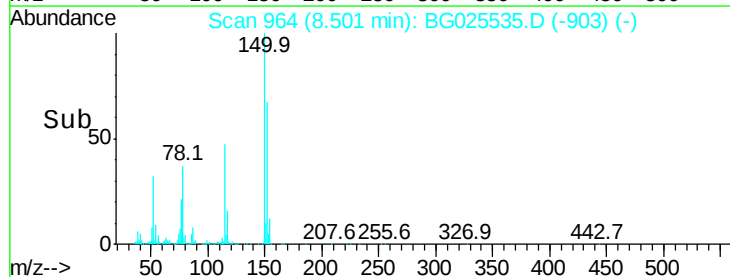
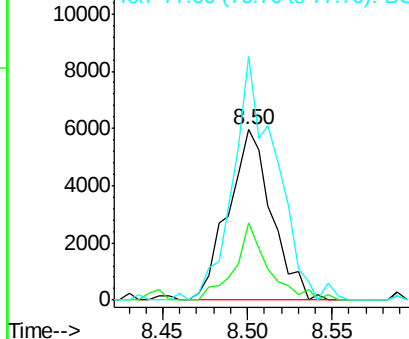
79 100

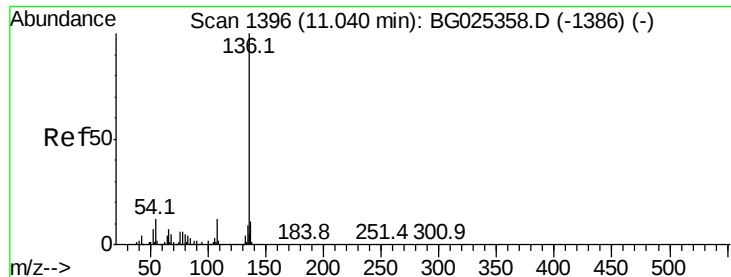
108 45.3 45.5 68.3#

77 143.0 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

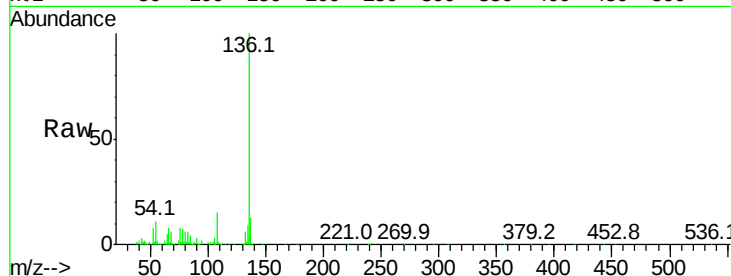




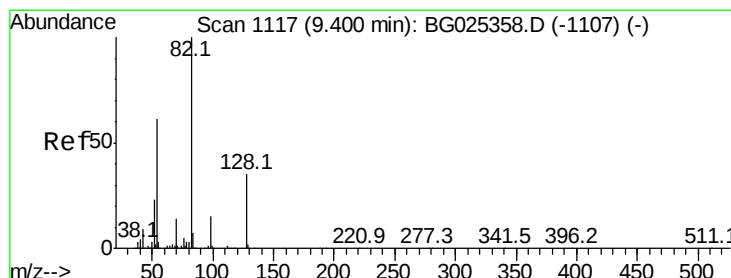
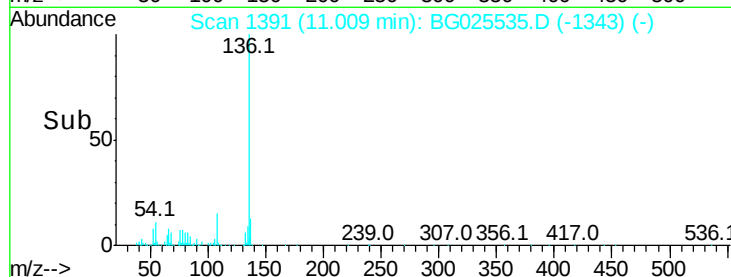
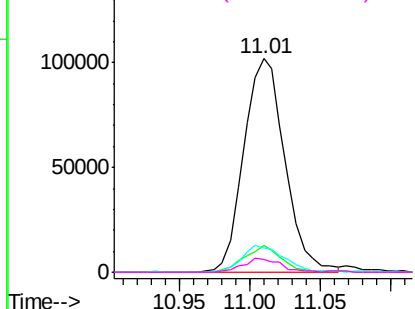
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.01 min Scan# 1391  
Delta R.T. -0.02 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 207442 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 12.7    | 8.9   | 13.3   |  |
| 54 11.4     | 9.3   | 13.9   |  |
| 68 5.9      | 5.1   | 7.7    |  |

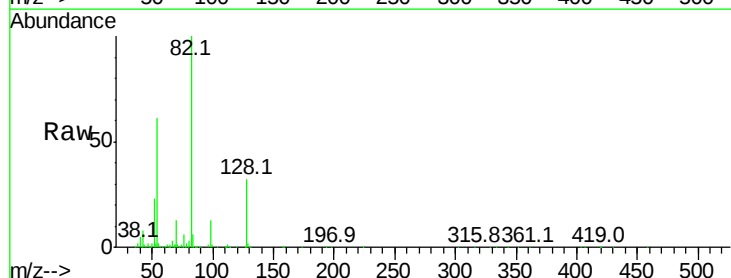


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

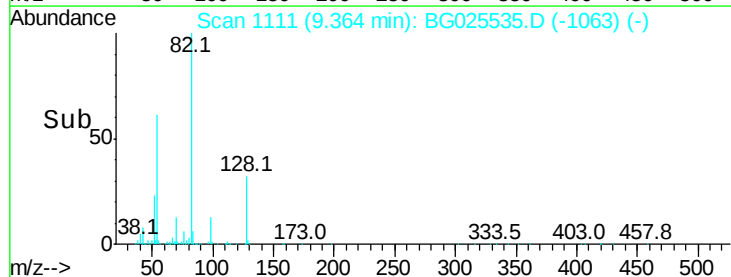
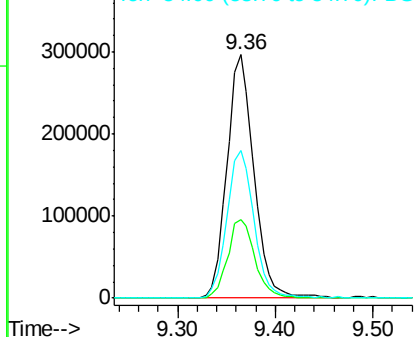


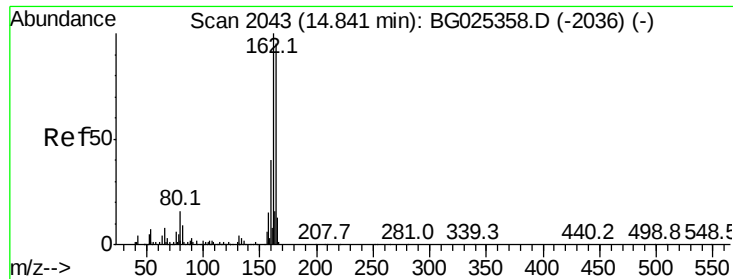
#23  
Nitrobenzene-d5  
Concen: 121.24 ng  
RT: 9.36 min Scan# 1111  
Delta R.T. -0.02 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 569297 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 32.0    | 26.4  | 39.6   |
| 54  | 60.6    | 49.4  | 74.2   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BG025535.D

Acq: 20 Jan 2017 12:39

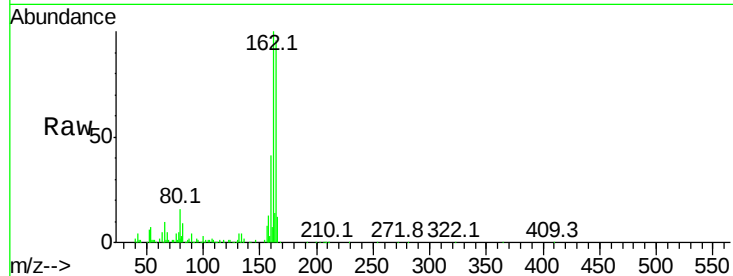
Instrument :

BNA\_G

ClientSampled :

Tot Ion:164 Resp: 169944

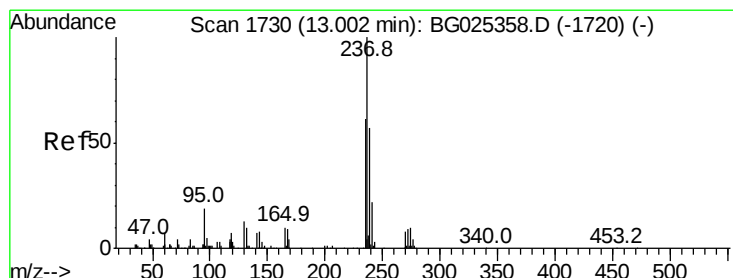
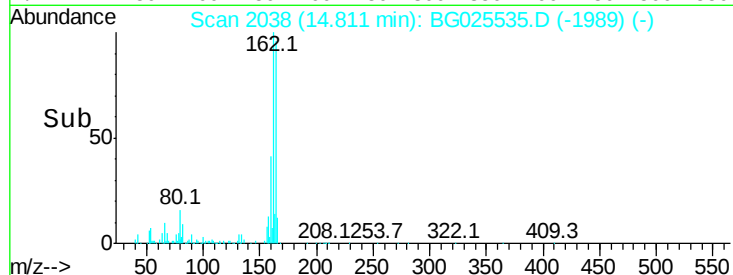
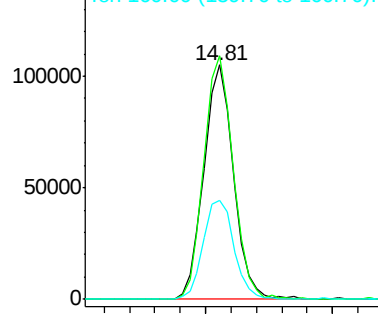
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.9 | 85.1  | 127.7 |
| 160 | 42.5  | 34.7  | 52.1  |



Abundance Ion 164.00 (163.70 to 164.70): E

150000 Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

Hexachlorocyclopentadiene

Concen: 8.55 ng

RT: 12.97 min Scan# 1725

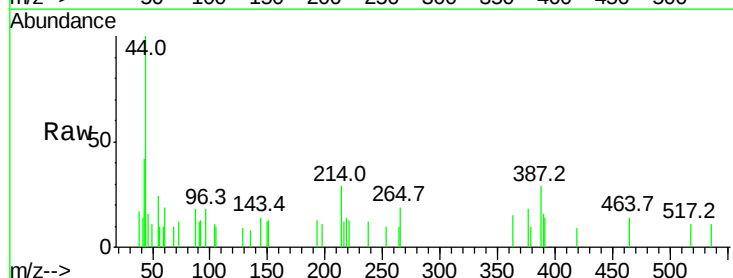
Delta R.T. -0.02 min

Lab File: BG025535.D

Acq: 20 Jan 2017 12:39

Tgt Ion:237 Resp: 81

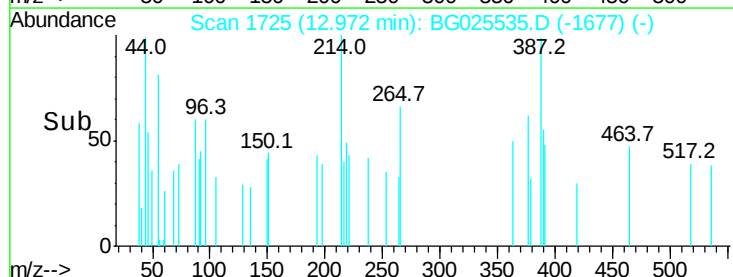
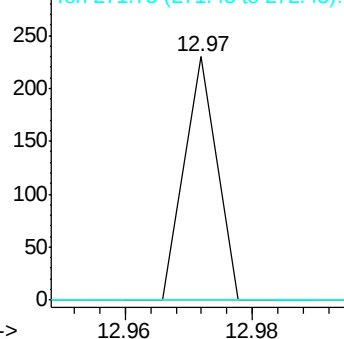
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 0.0   | 39.4  | 79.4# |
| 272 | 0.0   | 0.0   | 32.0  |

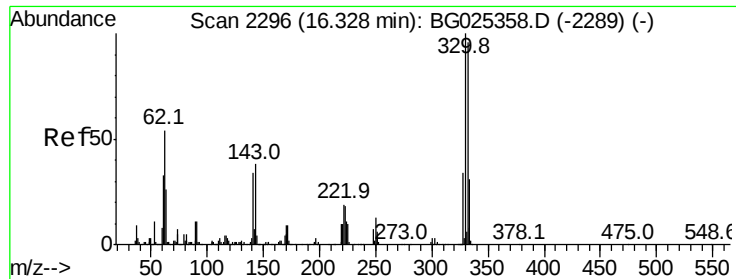


Abundance Ion 236.80 (236.50 to 237.50): E

300 Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

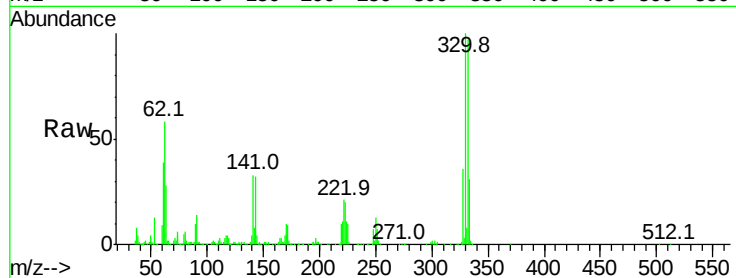




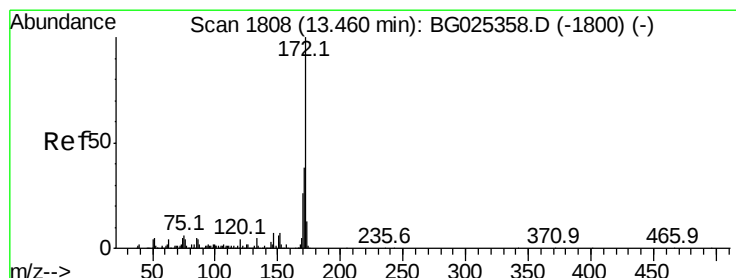
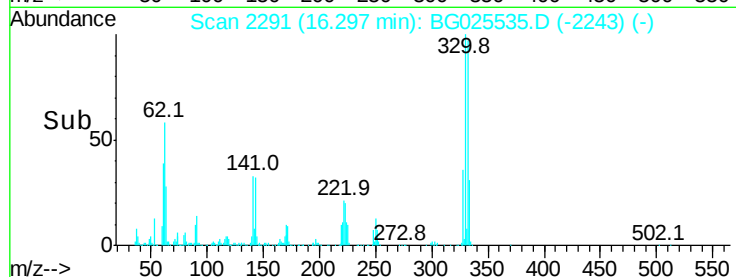
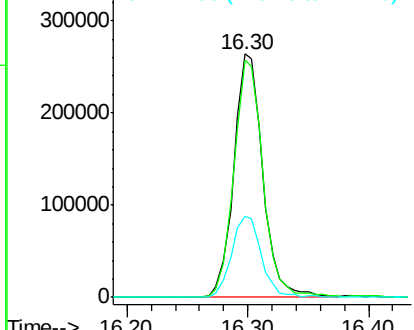
#41  
2,4,6-Tribromophenol  
Concen: 161.45 ng  
RT: 16.30 min Scan# 2291  
Delta R.T. -0.02 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:330 Resp: 441719  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.3 115.9  
141 34.6 32.1 48.1

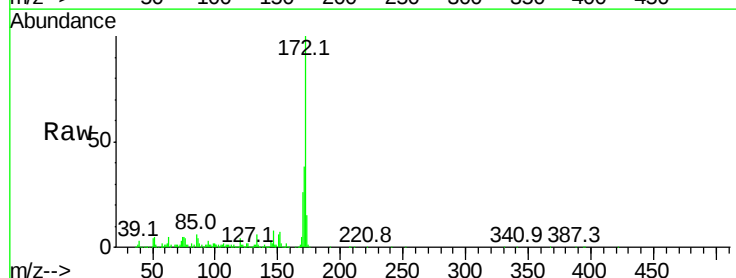


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

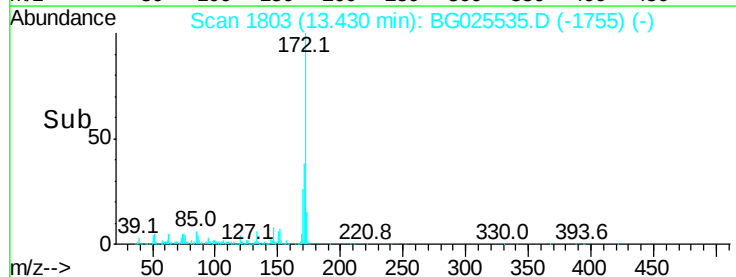
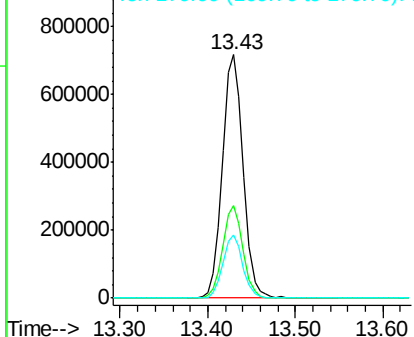


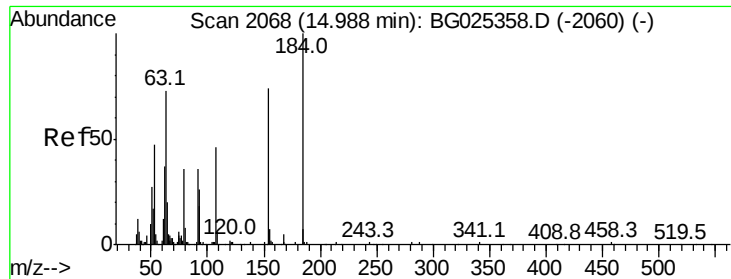
#44  
2-Fluorobiphenyl  
Concen: 111.50 ng  
RT: 13.43 min Scan# 1803  
Delta R.T. -0.02 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

Tgt Ion:172 Resp: 1170437  
Ion Ratio Lower Upper  
172 100  
171 38.2 32.2 48.2  
170 26.1 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

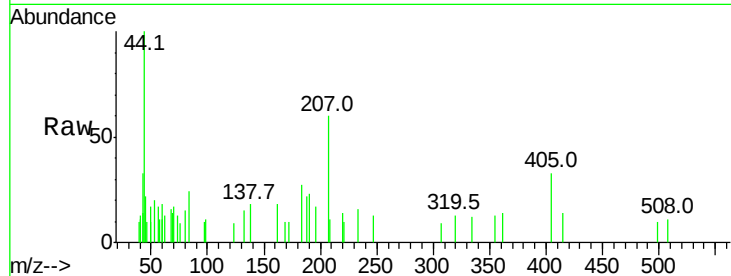




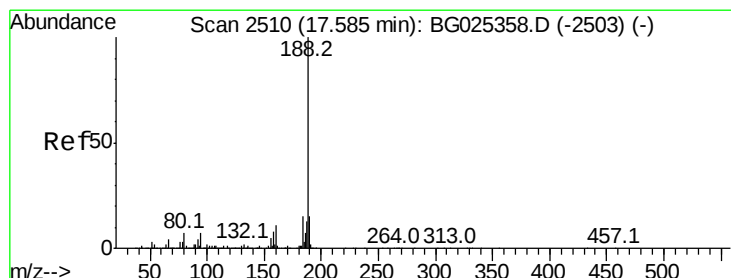
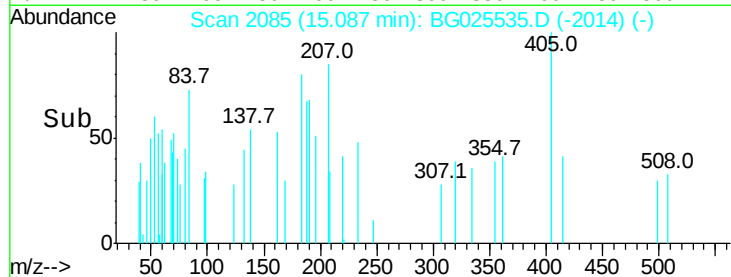
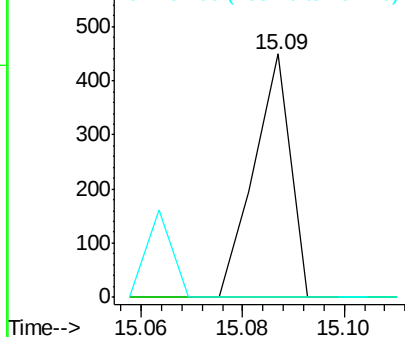
#53  
2,4-Dinitrophenol  
Concen: 5.20 ng  
RT: 15.09 min Scan# 2085  
Delta R.T. 0.12 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 227  
Ion Ratio Lower Upper  
184 100  
63 0.0 52.7 79.1#  
154 0.0 57.3 85.9#

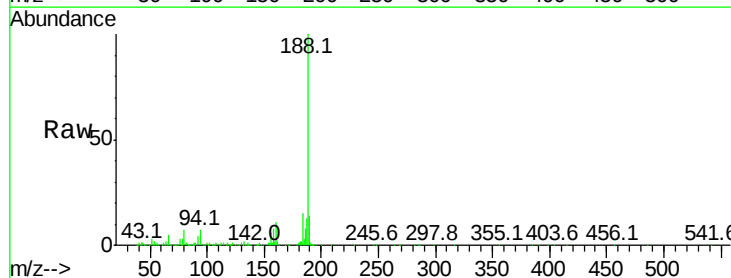


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 154.00 (153.70 to 154.70): E

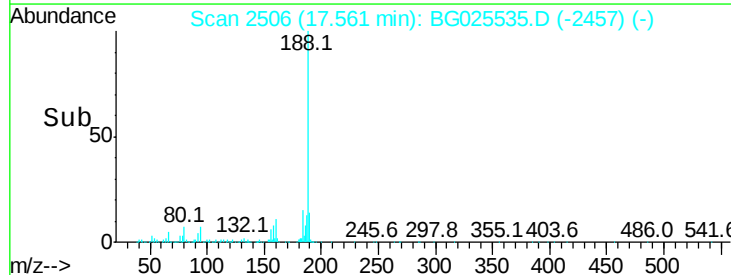
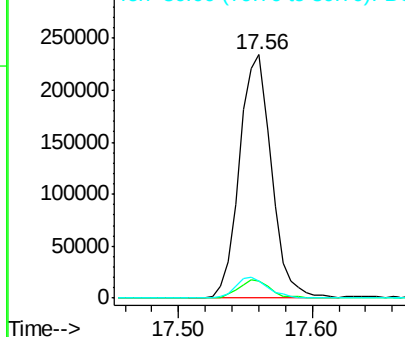


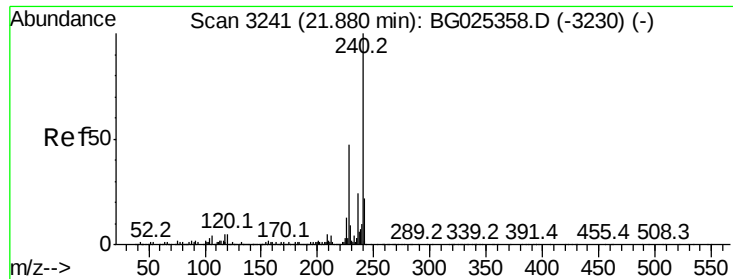
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2506  
Delta R.T. -0.01 min  
Lab File: BG025535.D  
Acq: 20 Jan 2017 12:39

Tgt Ion:188 Resp: 387617  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.8 8.8  
80 6.9 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.02 min

Lab File: BG025535.D

Acq: 20 Jan 2017 12:39

Instrument :

BNA\_G

ClientSampleId :

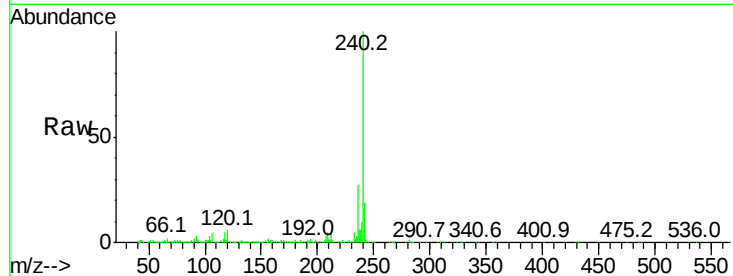
Tot Ion:240 Resp: 669463

Ion Ratio Lower Upper

240 100

120 6.1 5.7 8.5

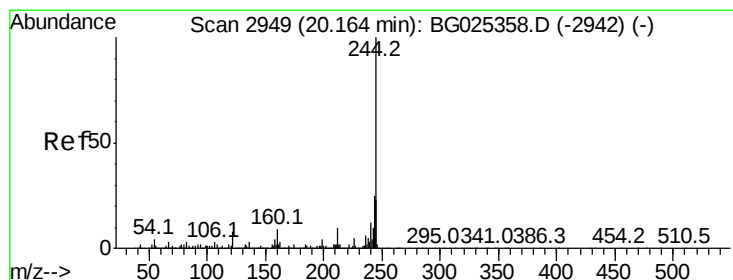
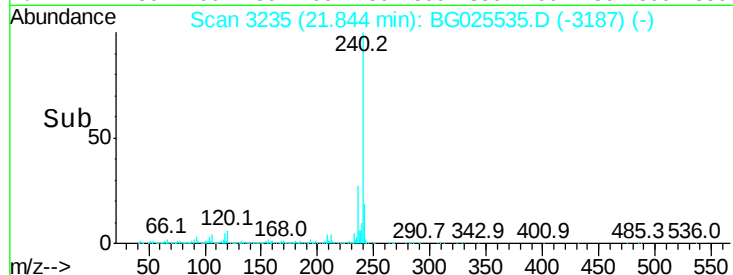
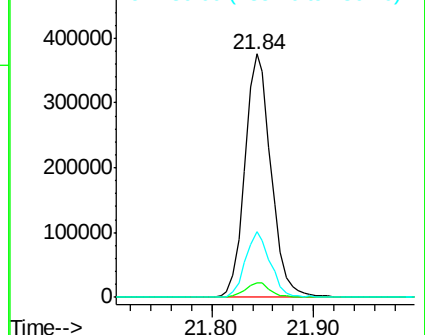
236 27.0 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 100.04 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG025535.D

Acq: 20 Jan 2017 12:39

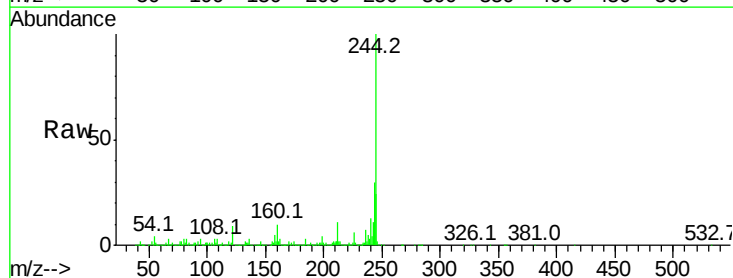
Tgt Ion:244 Resp: 2525929

Ion Ratio Lower Upper

244 100

212 10.6 10.0 15.0

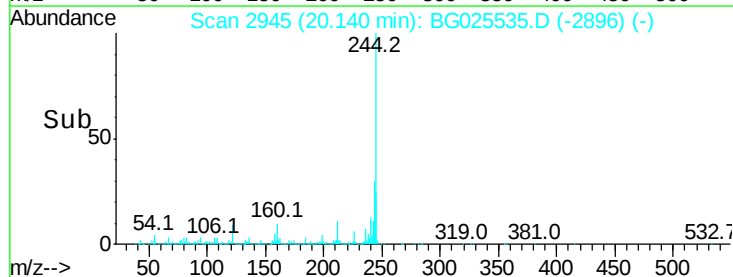
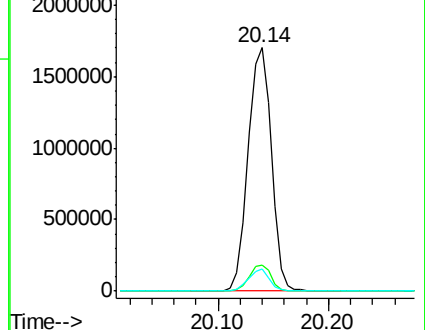
122 9.0 8.6 12.8

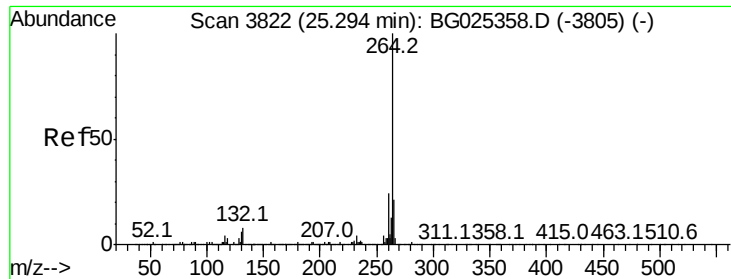


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

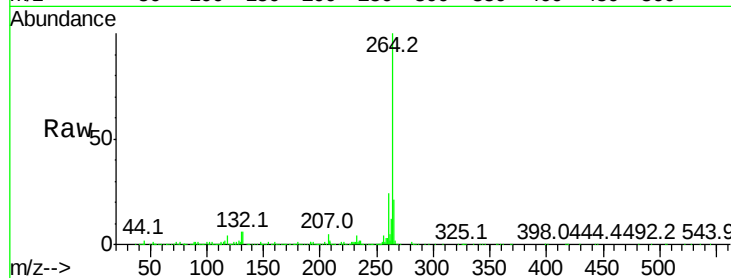




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.23 min Scan# 3812  
 Delta R.T. -0.03 min  
 Lab File: BG025535.D  
 Acq: 20 Jan 2017 12:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 21.8  | 32.8  |
| 265     | 21.0  | 18.2  | 27.4  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

